



**KANSAS  
GAS  
SERVICE**  
A DIVISION OF ONEOK

# **Natural Gas Distribution**

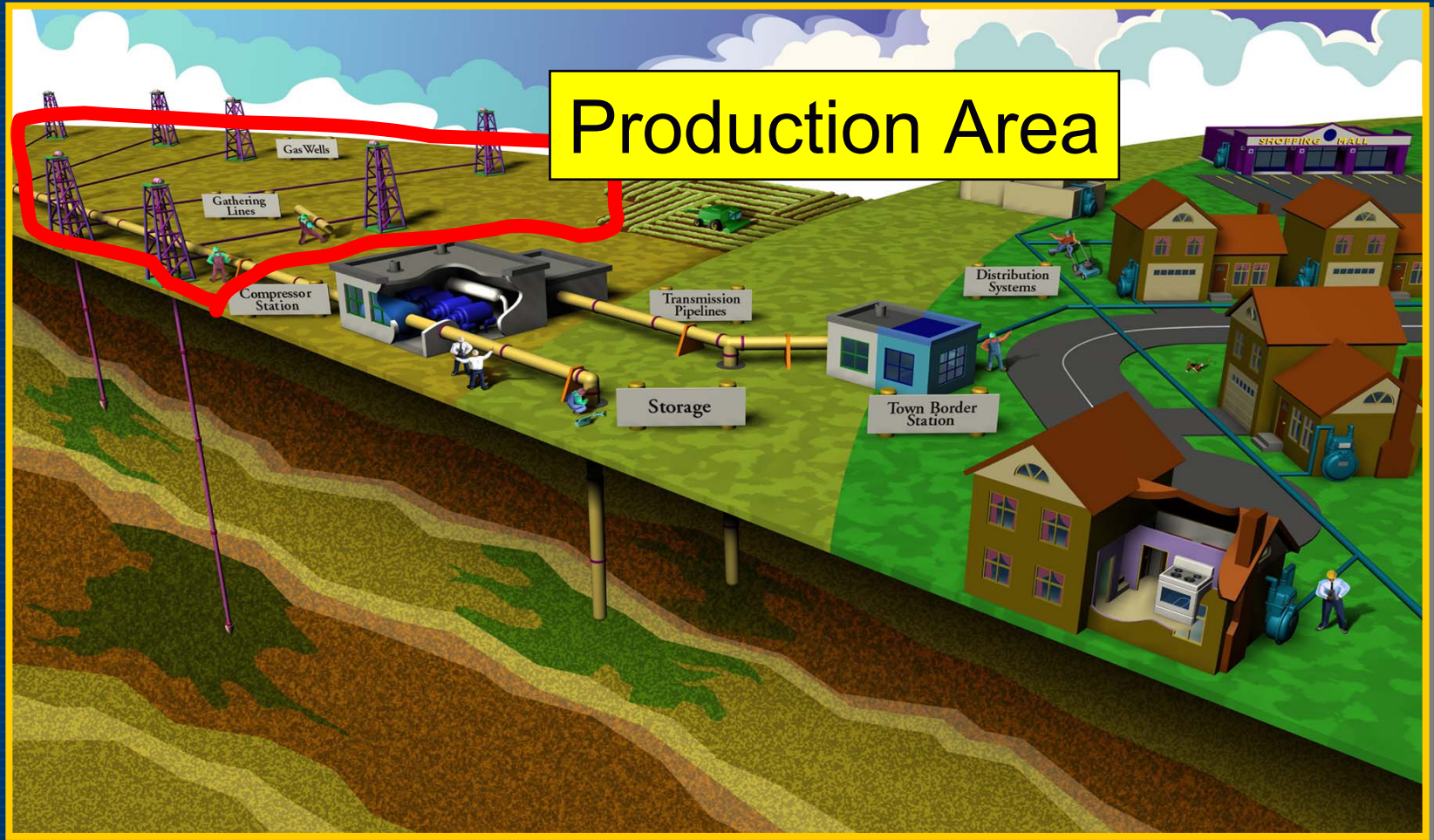
**Kansas Summit On Natural Gas  
October 2, 2003**

**Bradley Dixon  
Kansas Gas Service**

# Elements of the Natural Gas Industry

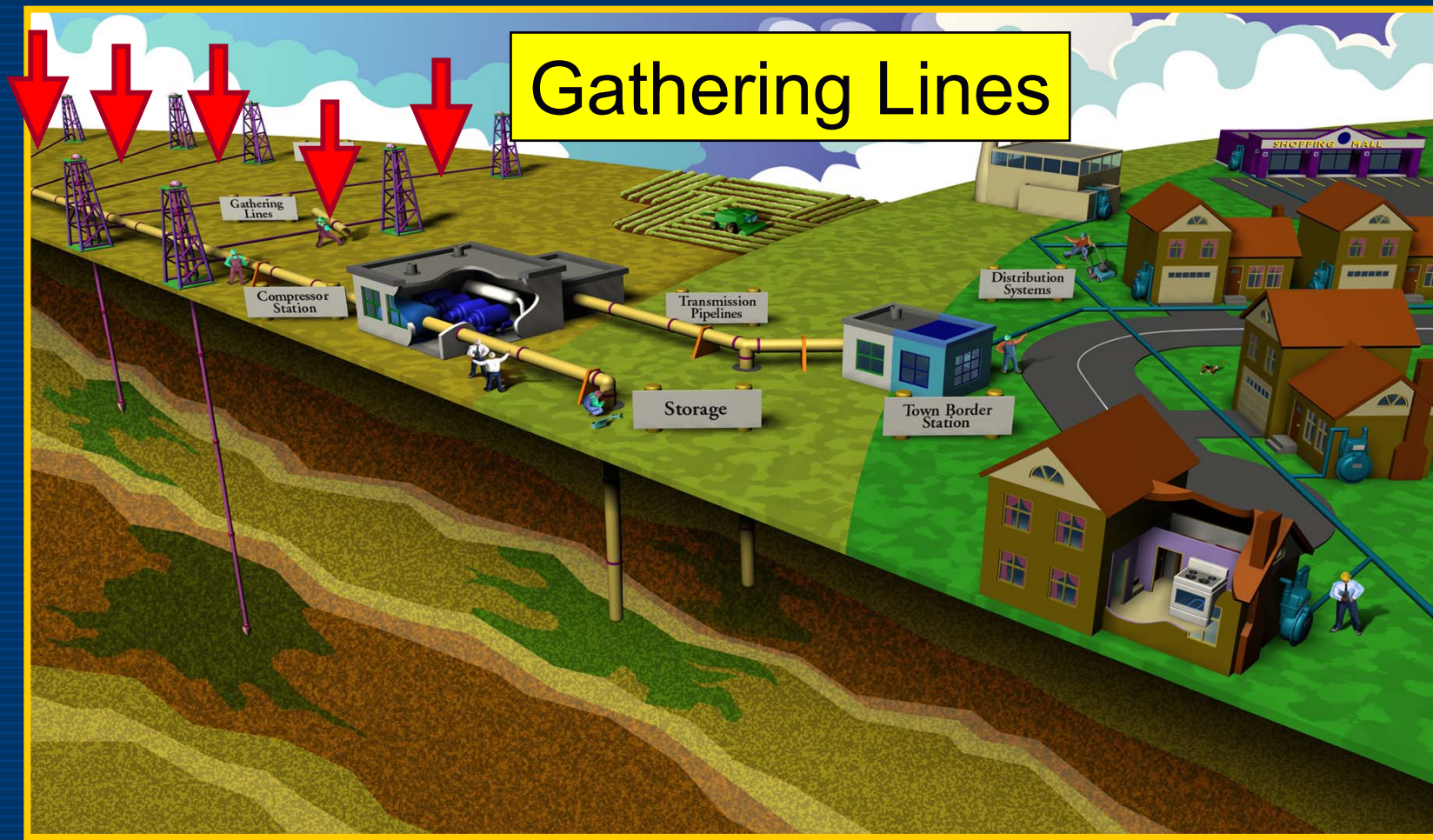
- Production
- Gathering
- Extraction facility
- Transmission pipeline
- Storage facility
- Distribution center

# Wellhead to Burner Tip - Production



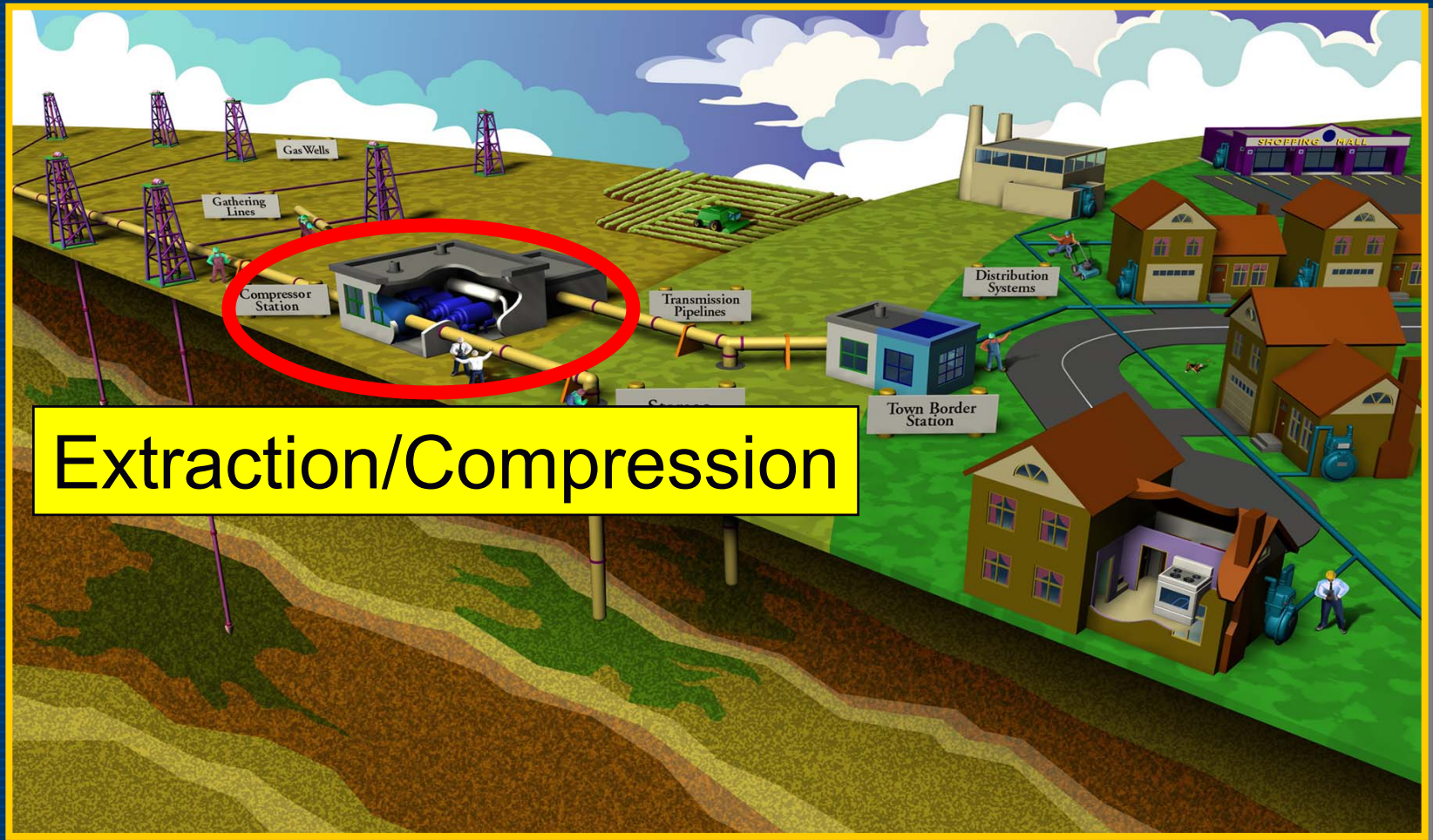


# Wellhead to Burner Tip - Gathering



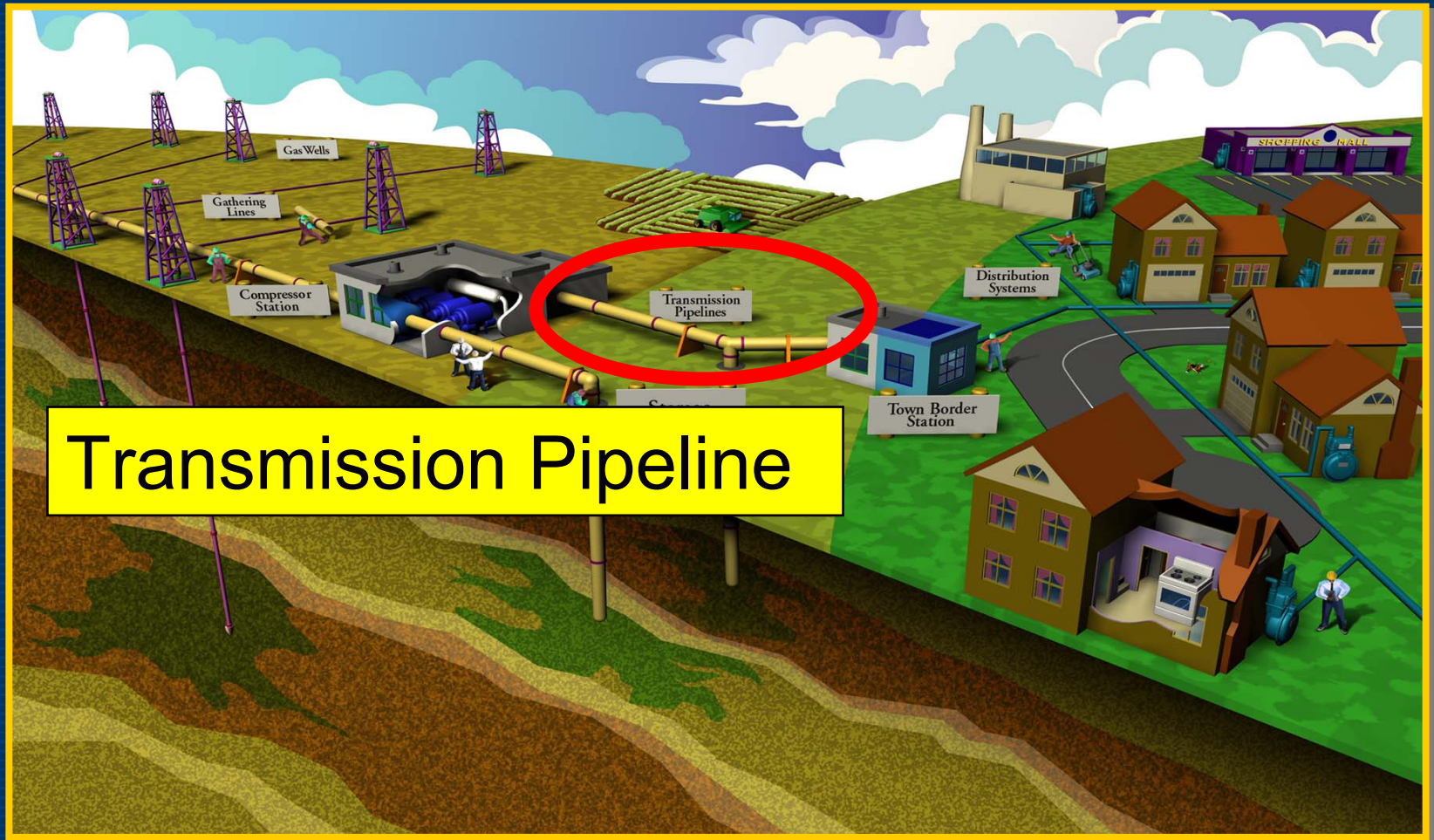


# Wellhead to Burner Tip - Extraction



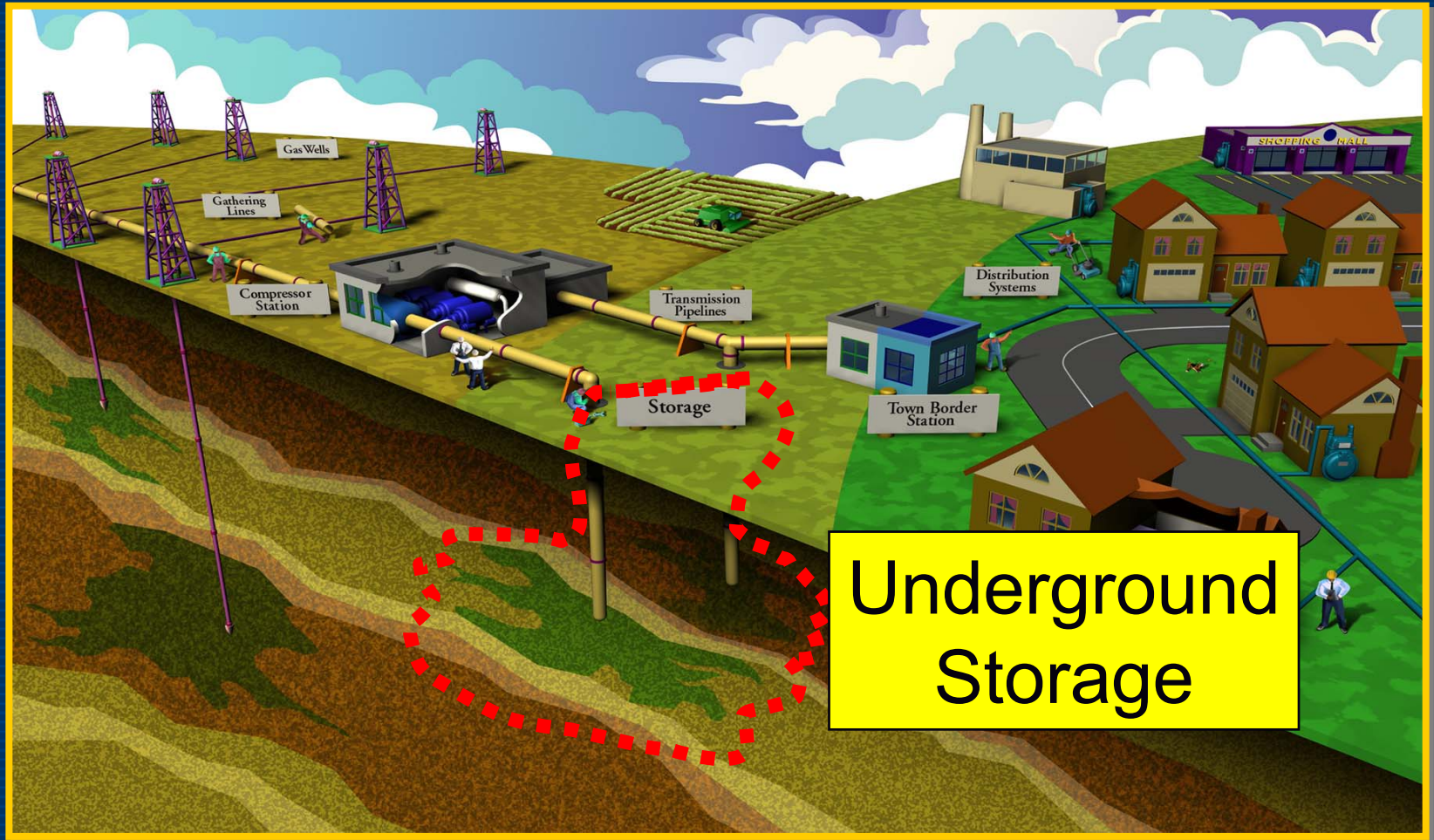


# Wellhead to Burner Tip - Transmission



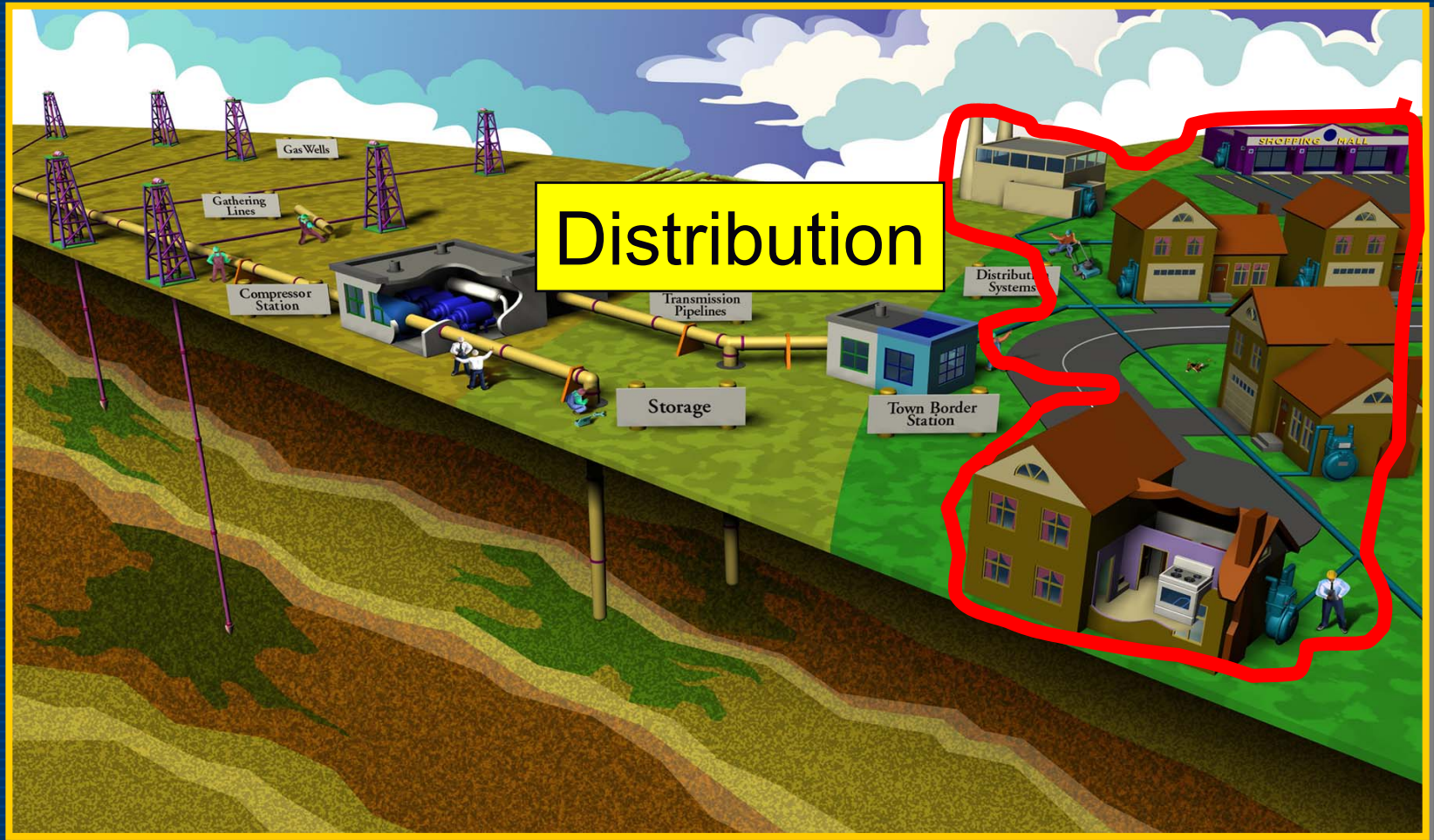


# Wellhead to Burner Tip - Storage



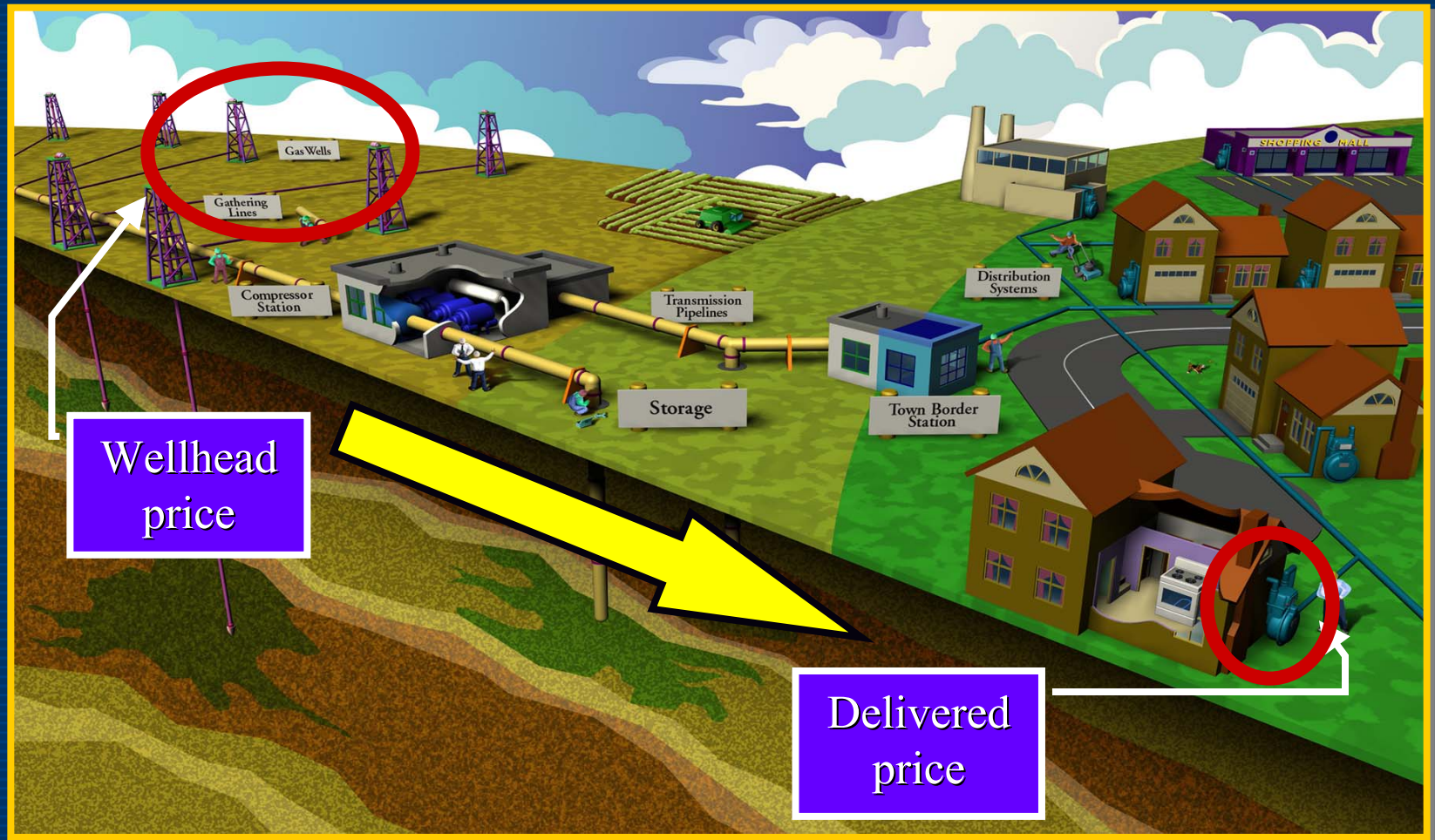


# Wellhead to Burner Tip - Distribution





# Wellhead to Burner Tip - Pricing



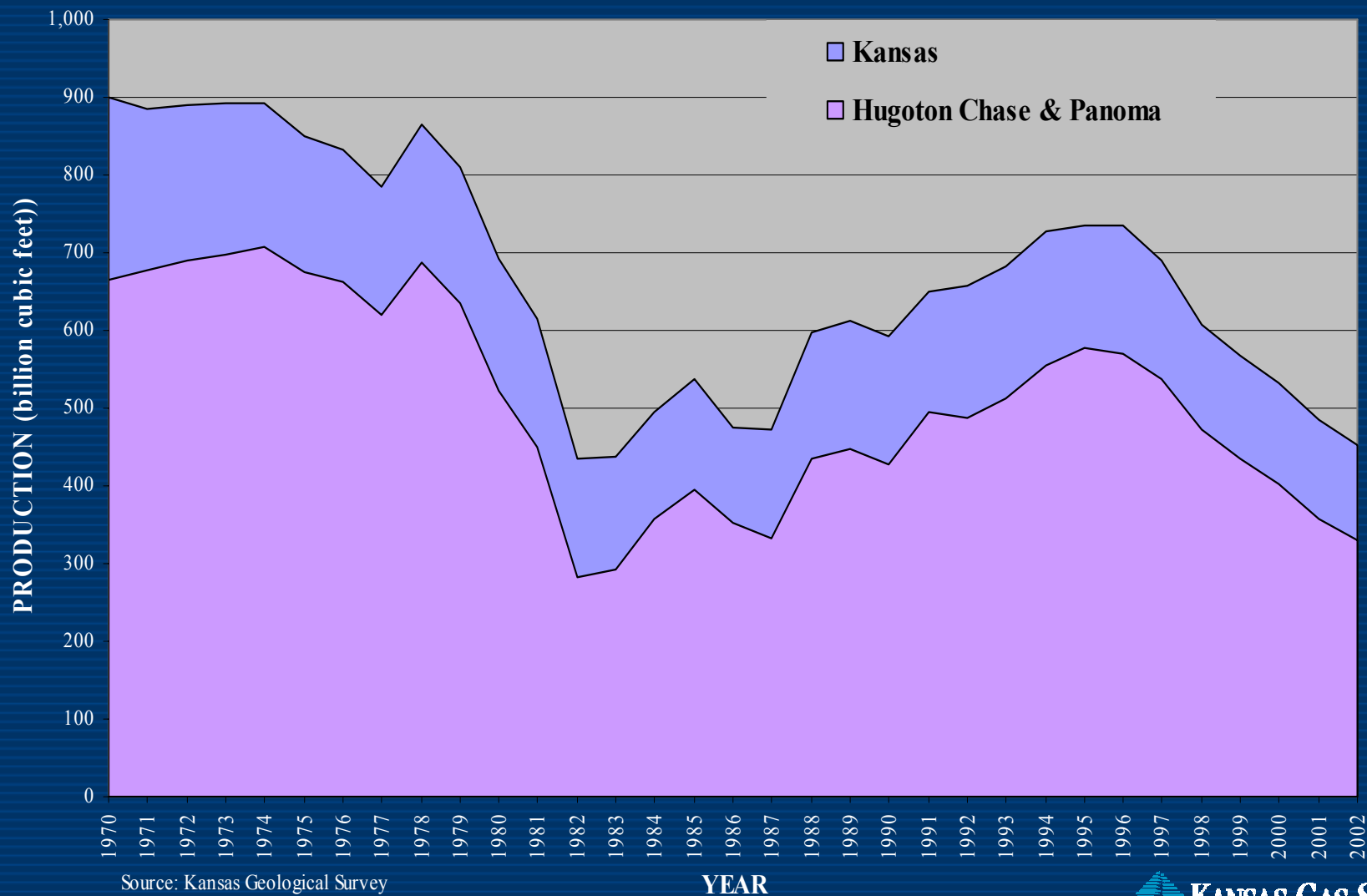
**Available Resources**

**Where Are the Future Supplies?**



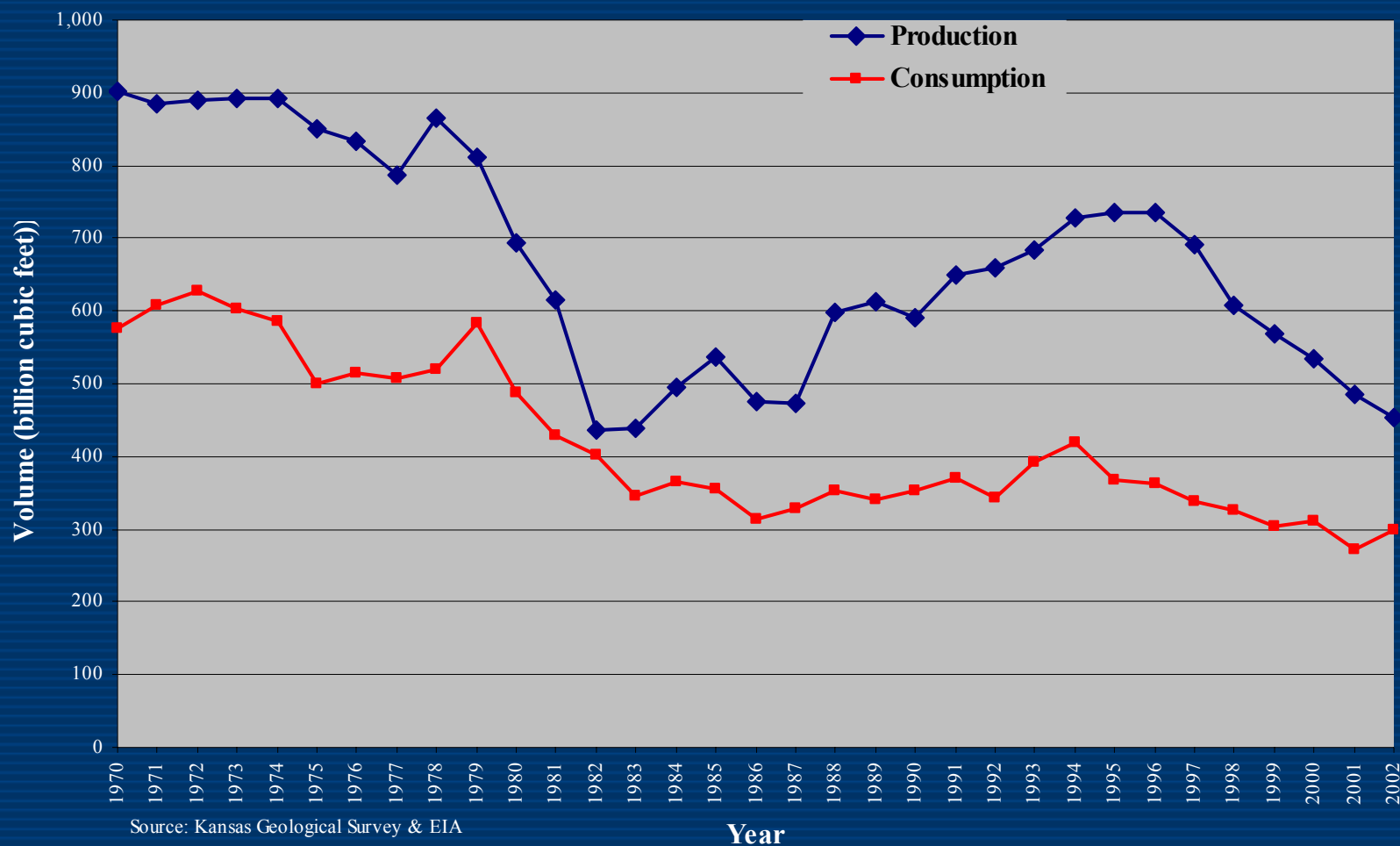
# Hugoton Chase and Panoma Production

## Total Kansas Production



Source: Kansas Geological Survey

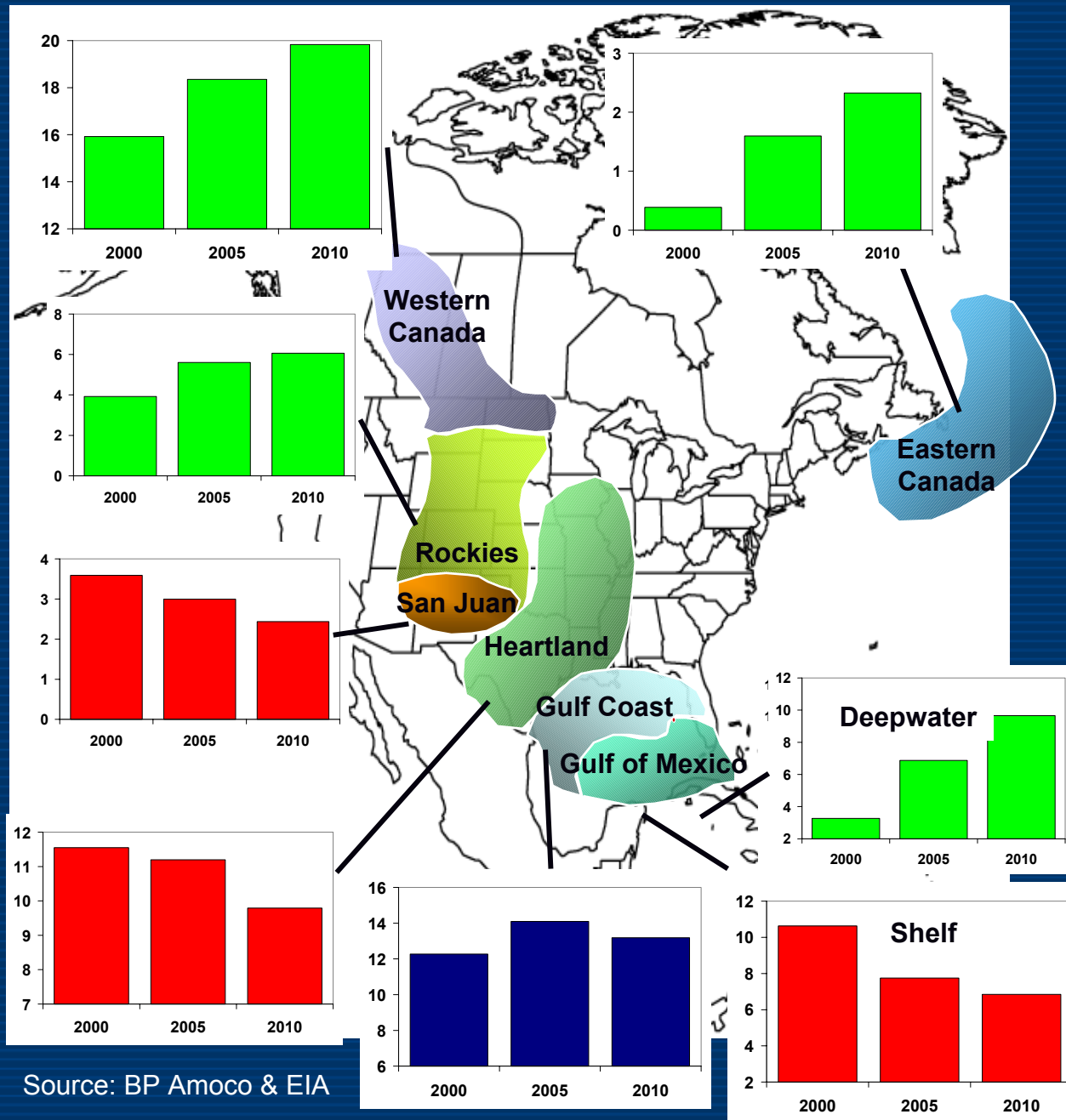
# Total Kansas Production compared to Total Kansas Consumption





# Gas Production

- North American production areas show great diversity in future potential.
- In 2003 EIA expects production to increase 3.2%...gas drilling appears to be in the early stages of a renewed upswing.
- EIA: 52 Bcf/d in 2001; 47 Bcf/d sustained with new production
- Gas production forecasts in Bcf/d
  - Blue = sustain
  - Green = growth
  - Red = decline
- Net Growth + 9 Bcf/d

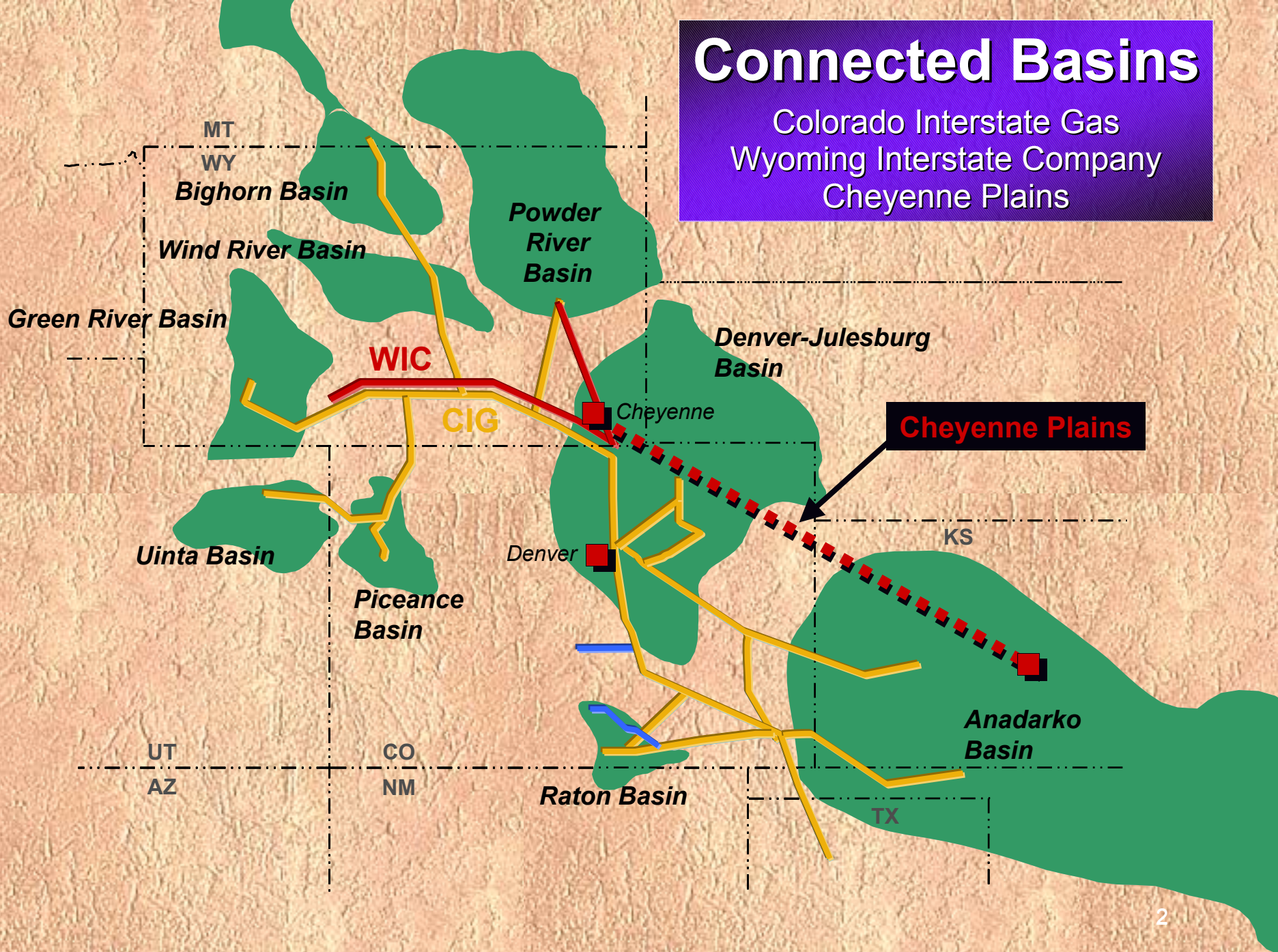


Source: BP Amoco & EIA

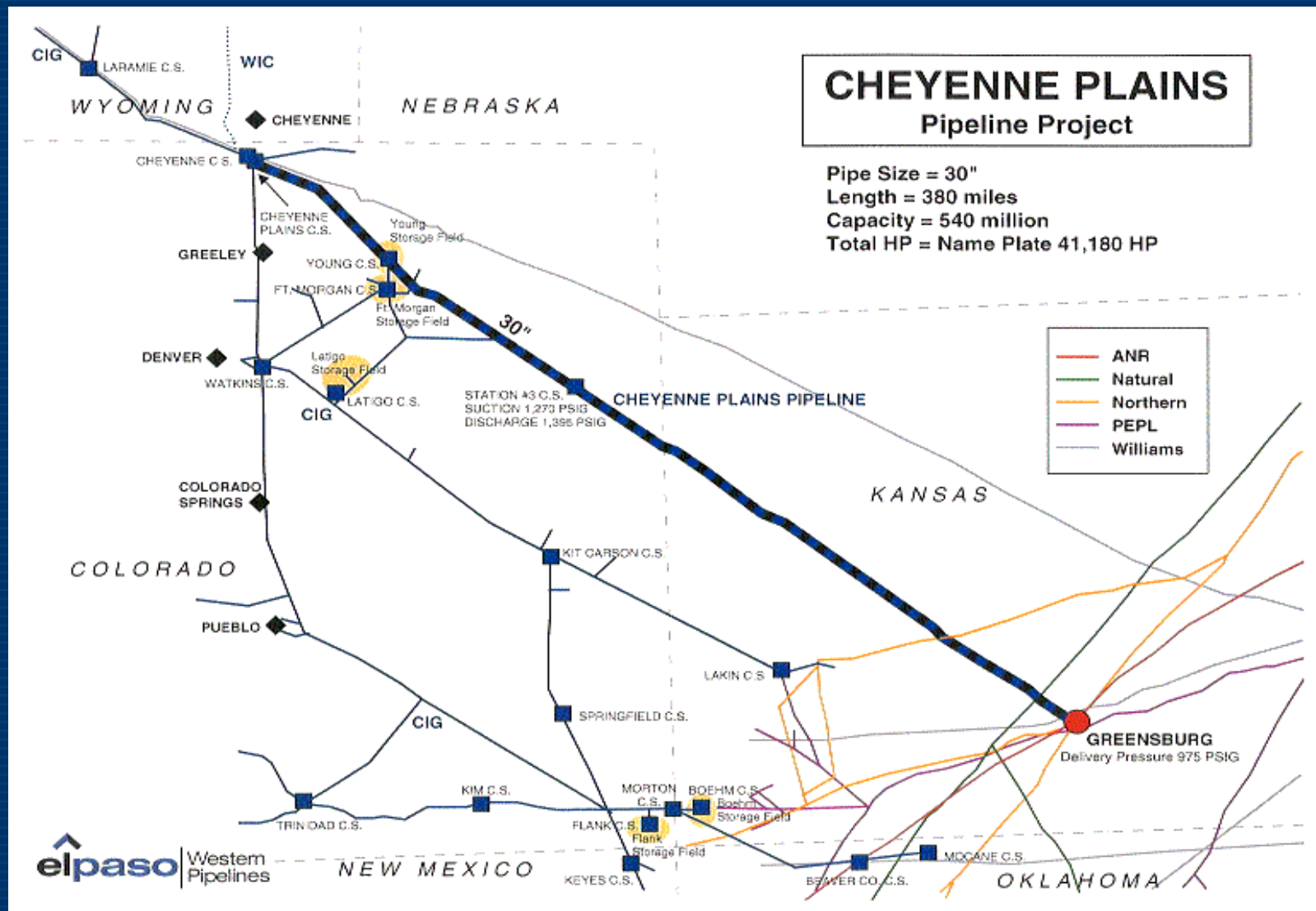
Excludes ~4 Bcf/d LNG, 1 Bcf/d near term; storage, and capacity increases.

# Connected Basins

Colorado Interstate Gas  
Wyoming Interstate Company  
Cheyenne Plains







Interconnects with KGS, NGPL, ANR, PEPL, NNG, Southern Star (Williams). Fully Subscribed.  
 In service mid-2005.

## In Summary

- Kansas Gas Service is the state's largest natural gas distribution company.
- We serve over 640,000 residential, commercial and industrial customers daily.
- Though the Hugoton Field is depleting at about 9% per year Kansas Gas Service is making sure Kansans have a long term, reliable gas supply.





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**Thank you**

*Bradley Dixon*  
*Kansas Gas Service*